

Title (en)

Low profile pneumatic retractor clamp

Title (de)

Einschiebare pneumatische Flachprofilspannvorrichtung

Title (fr)

Dispositif pneumatique de bridage rétractable à profil bas

Publication

**EP 0937538 A1 19990825 (EN)**

Application

**EP 98301256 A 19980218**

Priority

EP 98301256 A 19980218

Abstract (en)

A low profile fixture clamp (10) which provides a clamping force in two perpendicular directions through the motion of a pneumatic cylinder (20) in a single plane. The principle component of the clamping force is a horizontal force in-line with the force generated by the pneumatic air cylinder. An additionally vertical downward clamping force is also generated. <IMAGE>

IPC 1-7

**B23Q 3/06**; **B25B 5/06**

IPC 8 full level

**B25B 5/06** (2006.01); **B25B 5/08** (2006.01)

CPC (source: EP)

**B25B 5/064** (2013.01); **B25B 5/087** (2013.01)

Citation (search report)

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- [Y] EP 0213400 A2 19870311 - HONSBERG GMBH GEB [DE]
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Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0937538 A1 19990825**; **EP 0937538 B1 20030618**; DE 69815653 D1 20030724; DE 69815653 T2 20040603

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